MEETINGS OF SCIENTIFIC BODIES

To be held during the ensuing week.

MONDAY, March 4.—Institute of Architects, 8 p.m.

TUESDAY, 5.—Institution of Civil Engineers, 8 p.m.

WEDNESDAY, 6.—Society of Arts, 8 p.m.

THURSDAY, 7.—Royal Society, 8½ p.m.; Society of Antiquaries, 8 p.m.

TO CORRESPONDENTS.

"F. W. S."—The houses of Constantinople are universally built of wood; the roofs are covered with tiles. We do not think that brick is used in that city. Wood and charcoal are used for fuel. A few of the merchants have lately built stone houses at a great expense, to secure them from the destructive fires which occur so often in Constantinople.

"J. B.," Norwich (thanks); we do not see tangible grounds for our interference). "J. S." "A Young Builder" (our lines are often so formed). "H. St. J." (accidentally delayed). "A. and Z." (as a general rule, we advise adherence to the original form). "W. B." "D. R. H." (not yet received). "J. B.," Manchester (it depends on the description of rock; so that the sand be clean triturated flint we should not care where it came from). "One of the Subscribers" (next week). "C. H." (of stone). "A Constant Subscriber." "O." (there is no defined distance. Building must do no *injury* to neighbours). "A Working Bricklayer." "F. V." "Anston Stone" (we will refer to this shortly). "Subscriber for last Six Years" (will find answer in our leading article). "D. D." (ditto). "J. P." "J. T. W." "Subscriber from Commencement." "R.C." and "J.S." (we have not time to refer).

"*Books and Addresses.*"—We have not time to point out books or find addresses.

NOTICE.—All communications respecting *advertisements* should be addressed to the "Publisher," and not to the "Editor:" all other communications should be addressed to the EDITOR, and *not* to the Publisher.

ADVERTISEMENTS.

TO DRAUGHTSMEN AND CIVIL ENGINEERS.

H. MORRELL, BLACK LEAD PENCIL MANUFACTURER, No. 148, Fleet-street, London.

These Pencils are prepared in various degrees of hardness and shades.

H H H H for Drawing on wood.	F F light and shading.
H H H for architectural use.	F for general use.
H H for engineering.	H black for shading.
H for sketching.	B H ditto ditto.
H B hard and black for drawing.	B B B ditto ditto.
	B B B B ditto ditto
M medium.	

Sold by all the principal Stationers in town or country.

BATHS.—TYLOR'S IMPROVED APPARATUS, consisting of ENAMELLED MARBLE BATH, COPPER CIRCULATING BOILER, and three way cock, with under-plate for hot, cold, and waste water, complete. Does not require brickwork to portable, and in most cases can be supplied ready for use. Apply to the ironmongers and plumbers, or the manufacturers, J. TYLOR and SON, Warwick-lane, London.

CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, simple, and durable.

CHUBBS' PATENT LATCH, for front doors, counting house doors, &c., is unrivalled in combination, low in price, and quite secure. The keys are particularly neat and portable.

CHUBBS' PATENT FIRE-PROOF SAFES, BOOKCASES, CHESTS, &c., made entirely of strong wrought-iron, so as effectually to resist the falling of brick-work, timbers, &c., in case of fire, and are also perfectly secure from the attacks of the most skilful burglars.

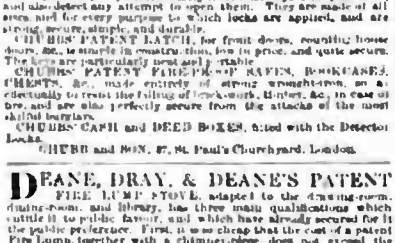
CHUBBS' CASH and DEED BOXES, fitted with the Detector Locks.

CHUBB and SON, 57, St. Paul's Churchyard, London.

DEANE, DRAY, & DEANE'S PATENT FIRE LUMP STOVE, adapted to the drawing-room, dining-room, and library, has three main qualifications which entitle it to public favour, and which have already secured for it the public preference. First, it is so cheap that the cost of a patent Fire Lump, together with a chimney-piece, does not exceed the price of a common stove by itself; second, its capacity of radiating heat is greater than that of any other stove in existence; and, lastly, its economy of fuel is so considerable, that where it is adopted the expense of coal will be reduced by one half. The back, sides, and bottom of the Patent Fire Lump Stove are all in one. It has no bottom grating, and the only metallic substance about it which comes in contact with the fire is the bars, while the fire part of the stove is so constructed that, as the fuel burns, it drops to a centre. The Patent Fire Lump Stove has the unqualified recommendation of the first architects of the day.

DEANE, DRAY, and DEANE, London Bridge.

BUILDERS' CASTINGS at REDUCED PRICES.—Rain water Pipes and Gutters (half round and O.G.), Sash weights, Air Bricks, &c., Drain Gratings, also, Socket pipes for Gas, water, or drainage, Lamp Columns, and Wrought-iron Gas Tubing, in Stock, at LYNCH WHITE'S Iron Wharf, 89, Bankside, Southwark.



SAMUEL HOOD and Co., Castings Ware- house, 91, Upper Thames-street, REGISTERED STABLE FITTINGS, Enamelled Mangers, with double hay-racks, or with enamelled water-troughs on one side.—Also, girders, columns, hot water pipes, rain water pipes, eaves, gutters, sash weights, &c., at the lowest prices.

BUILDERS AND CONTRACTORS.

TARPAULINS for COVERING ROOFS during Repairs, SCAFFOLD CLOTH and every description of DUCK used by Builders upon the lowest terms. Marquees and temporary awnings on sale or hire. Orders for prompt execution and prompt attendance.—WILLIAM TOOGOOD, 115, Fore Street, City, Manufacturer, by Appointment, to Her Majesty's Honourable Board of Ordnance.

WIRE STRAND FENCING, as fixed by R. S. NEWALL and Co., is cheaper, stronger, more durable and elegant, than any other fence hitherto introduced.

COPPER WIRE WINDOW HASP-LINE
LIGHTNING CONDUCTORS.

Office—126, Strand, London; Warehouse—Brunswick street, Blackwall; Manufactory—Gateshead-on-Tyne.

WIRE SASH LINE.—The undersigned beg to call the attention of Architects, Builders, and others to the PATENT COPPER WIRE ROPE LIGHTNING CONDUCTORS, now so generally approved for all kinds of buildings; also the Patent and Improved Iron and Copper Wire Sash Line, which is well adapted for heavy sashes, counterbalances, and numerous other purposes.—Strand Fuse Foundry, &c. &c. WILKINS and WEATHERLY, Patent Wire Rope Works, 55, High-street, Wapping, London.

TO BUILDERS AND OTHERS.

HART and SONS, Wholesale and Manufacturing Ironmongers, Nos. 53, 54, and 55, Wych-street, Strand. Established 1813. Proprietors and sole Manufacturers of PITT'S PATENT SELF ADJUSTING DOOR FURNITURE and SPINDLES, and Manufacturers of Dr. ARNOTT'S VENTILATING CHIMNEY VALVES.

HART and SONS solicit the attention of Builders, House Decorators, Smiths, Bell-hangers, &c. &c. to their extensive and well selected stock of DOOR FURNITURE in every suitable material, en suite with finger plates, bell-pulls, levers, &c., and also to their

LOCKS and LATCHES to mortise, rim, drawback, iron gale, cabinet &c., of all qualities, including Barron's, Bramah's Chubb's, and Pitt's Patent.—To their

GENERAL IRONMONGERY, wrought and cut nails, screws hinges, bolts, &c. &c.

BRASS FOUNDRY.—Bell cranks of all descriptions, cornice poles, picture rods, shew door handles, desk and hat rails, window guards, casement stays, bolts, &c. &c.

DOOR SPRINGS and HINGES, including Redmond's, Smith's, Gerish's, and Cotterell's patents.

WINDOW BLIND FITTINGS of the most approved principle.

LEAD RACK BOLT MORTICE LOCKS, for which there are AGENTS, as well as for all inventions of merit as soon as perfected.

HART and SONS, aware that the practice of publishing NET price-lists is injurious to the interests of the trade generally, are unwilling to follow it, but at the same time they beg to assure their friends that their prices shall be equally as low as those of any other respectable house.

TO BUILDERS and CARPENTERS.—Elliptic Stoves, double backs, 2½ per inch. Register 8d., 6½d., 7½., per inch.

Cottage Ranges, with Ovens and Boilers, 3 ft. 3 in. ots.; 3 ft. 6 in. ots.; 3 ft. 6 in., ots. 3 feet Cottage Ranges, 20s.

Self-acting Ranges, with Circular Oven and Back Boiler; best Wrought Bars and Bright Fixtures.

3 ft. £3 12s.	3 ft. 6 £3 7s.	4 ft. £3 15s.

Best Patent Cut Clasp.

4½d.	5d.	7½d.	10½d.	1s. 3d.	1s. 6d. per 1,000
3d.	4d.	6d.	9d.	10½d.	12d.

Best Sheet Floor Brads, 12s. 6d. per cwt.

Best Town Glue 8s. 1lb. Scotch, 6lb. per cwt.

Best Patent Nash Lime.

4s. 3d.	4s.	5s. 6d.	7s. 6d.	10s.	13s. per grom
3	3	4	5	7	9

At F. R. WILLIAMSON'S IRONMONGERY and STOVE WAREHOUSE, 15, Chiswell-street, Finsbury-square.

Lists of Prices had on application at the Warehouse, or by letter pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.

TO ARCHITECTS, BUILDERS, &c.

HAYWARD, BROTHERS, late RIDDELL and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN-RANGES, STOVES, &c., 198, Blackfriars-road, and 10, Union-street, Borough.

Improved Self-acting Kitchen Ranges, with Heat Boiler and Oven and Wrought Bars:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3.	£3. 10s.	£3. 15s.	£4.	£4. 10s.

Hendon's Patent Improved, with Back Boiler and Wrought Iron Oven:—

3 ft.	3 ft. 6 in.	4 ft. 6 in.	5 ft. 6 in.	6 ft.
£3.	£3. 15s.	£4. 5s.	£4. 15s.	£5.

Best Kitchener stoves, 24 7d., 6d., and 9d. per inch.

Do. Kilipsie do., 4d. 5d., and 6d. do.

Manufacturers of WOLFANTSON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.

Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

TO BUILDERS, CABINET-MAKERS, and OTHERS.—Best Cut Sheet Flooring Brads, 12s per cwt.

Fine Cut Clasp and Rose

12s.	14s 6d.	14s.	13s.	12s per cwt.
1½	1½	2	2½	3 inch.

Cross Garnet Hinges, per dozen pair.

2s. 6d.	3s 3d.	4s 3d.	5s.	6s.
10	13	14	15	20 in.

Best Bright Tower Bolts, per doz.

1s 3d.	1s 7½d.	2s. 6d.	3s 10d.	3s 3d.	3s 7d.
3	4	5	6	8	9 in.

Iron Rain-water Pipe

2½d.	3½d.	4½d.	5½d. per yard.
2	2½	3	3½ 4 inch.

Best London Glue, 8½ per cwt.

Cast Lath Nails, 10s. per cwt.

Air Bricks, 3s. 6d. per doz.

Hinges for 1 bond, 4 lbs. per box.

Sash Weights, 3s per cwt.

TERMS—NET CASH.

A. L. PFEIL and Co.,
Wholesale Ironmongers, Brass Foundry and Nail Warehouse,
5 and 6, Broad-street, Bloomsbury, London.
AGENTS FOR LEAK'S PATENT MORTISE LOCKS AND BOLTS.

TO BUILDERS AND CARPENTERS.

J. H. BOOBBYER and CO., late Sturch and Boobbyer, of their Ironmongery, Brass Foundry, and Nail Warehouses, No. 14, Shoreditch-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholsterers &c., at wholesale prices.

Best Cut Sheet Flooring Brads, 12s. per cwt.

Fine Cut Clasp and Rose.

12s.	14s 6d.	14s.	13s.	12s per cwt.
1½	1½	2	2½	3 inch.

Best Bright Tower Bolts.

1s 3d.	1s 7½	2s. 3d.	3s 6d. per dozen.
3	4	5	6 inch

Best Patent Nash Lime.

4s	4s 6d.	5s 3d.	9s	10s per grom
3	3	4	5	8

Cast Lath Nails, 10s per cwt. Sash Weights, 3s per cwt.

Air Bricks, 3s 6d per dozen.

DR. ARNOTT'S VENTILATORS.

12 by 8 inches	3s each.
14 9	4s.

An assortment in Brass, Bronzed, Gilt, &c.

An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks, and Latches of every description, at very reduced prices; also Door Furniture, in china, amber, crystal, ivory, stone, buffalo horn, brass, &c., with Finger Plates, Bell-pulls and Levers en suite.

Agents for LEAK'S PATENT MORTISE LOCKS and BOLTS, and Inventors of SHIFTING BOLT MORTISE LOCKS &c.

FULKES' IRONMONGERY and STOVE WAREHOUSE, 91 and 92, Fleet-street, Camden Town.

Elliptic Stoves, with double backs	2½d. per inch.
Register ditto ditto	5d. per inch.
3 feet S. A. Ranges	3s. each
Iron Rain-water pipe 3½ inch, 10d.; 3 inch, 1s. 1d. per yard	
4 inch 1s. 6d., fastening	9d per yard
4 inch Rim Locks, with patent escutcheons	1s. per dozen.
6 inch Rim Locks, with patent escutcheons	2s. per dozen.
Mortice Locks, with patent escutcheons	2s. per dozen.

CLARK'S IRONMONGERY, STOVE, RANGE and METAL WAREHOUSE, 376, Oxford-street. Norton Elliptic Stoves, with extra back, 2½d per inch. Register Stoves 5½ per inch.

Three feet cast Iron Cottage Ranges, 20s. each. Best Self-acting with Wrought Bars and Bright Fixtures, 3 ft. each

Cast Rain-water Pipe

2½d.	3½d.	4½d.	5½d. per yard.
2	2½	3 inch.	

Gutters 4 inch 3s. per yard.

Best Cut Clasp and Rose.

12s.	14s 6d.	14s.	13s. 6d. per cwt.
1½	1½	2	2½ inch.

Sheet Wrought Brads, 12s. 9d. per cwt.

Cast Lath Nails, 10s. per cwt. Cast Nails, 9s. 6d. per cwt.

4 inch 2 bolt Rim Locks, with Scotch Furrows, best furniture, patent spring flies, 12s. 6d each.

4 inch 2 bolt Ward Mortice, with best furniture and patent spring flies, 2s. 9d. each

Improved Iron Latches, with best furniture, 7s. a dozen

P.S. A List of Locks, Bells, and other Ironmongery, on application.

PATENT WROUGHT NAILS.—These Nails are submitted to the notice of Builders, Contractors, and ship-builders, as being superior to any others and cheaper. They have the toughness of the best hand-made nails, with far greater uniformity of make. The flat pointed iron nails are particularly recommended wherever oak or other hard wood is used; being perfectly chisel-pointed, they require no boring, and will drive into the hardest wood without splitting it, and their heads being very strong, do not fly off. The patent wrought nails may be had of all iron-mongers, and an ample stock of them is kept at the warehouses of the agents, HIGGS and GEORGE, Wholesale Ironmongers, 178, Borough, London.

IRON SASH ROOFS for CONSERVA- TORIES, &c. Verandahs, cast or wrought Staircases, hall or heavy Railing Gates, strained Wire fences, Hurdles from Rod-wands; also every description of cast or wrought-iron work for building purposes constructed and delivered free on Rail, &c. on the most equitable terms, by J. BULLARD and Co., Hope Iron Works, Primrose-street, Bishopsgate.—Buildings heated by hot water.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron; also can make Railings, Gates, Iron Lighting, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Candleavers, Newel Rods, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

TO GAS AND WATER COMPANIES, ENGINEERS, AND CONTRACTORS.

ANDREW M'LAREN & Co., Ironfounders, STEEL YARD WHARF, UPPER THAMES-STREET, have always on hand a large STOCK of MARKET PIPES of all sizes, with the usual connections. Retorts, columns, girders, and all descriptions of castings contracted for.

Their stock of goods for GENERAL IRONMONGERY is unequalled for variety and largeness of price, comprising, range, register, and elliptic stoves and ovens, rain water pipes, G. G., and half-round gutters, sash weights, railing bars, panels, bakers' oven work, sink traps, air bricks, water closet pans, &c. &c.

Printed list of prices, and books of drawings for the use of ironmongers, forwarded on application.

HIGHLY IMPORTANT to Engineers, Builders, Contractors, Plumbers, and others.—REDUCTION in the price of CASTINGS for Iron and Brass Work. Iron Bridge Wharf, No. 6, Bankside, two doors from Iron Bridge Wharf, No. 8, Bankside, London.

February 1, 1850.

FOUNDRY AND IRONWORKS, 13, DRURY-LANE, and CHARLES-STREET, DRURY-LANE.

GLOVER, BROS.,

Solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either ornamental or ornamental.

Patterns of Gratings, Casements, Balconies, Railing Ornamental Carriage and Park gates, Lamp and newel Posts, Tanks, Pipes, Wheels, Pinions, Lathes, and steam engines. Range and Hot plate Metal. An improved and Good Boiler adapted for internal work.

A large stock of Rain-water Pipes, Plain and O.G. Gutters, Air-bricks, sash Weights, All light Sewer Gratings, Manhole Fittings, Handles, &c.

Plain and ornamental Vases 25 per cent cheaper than Terra-cotta.

Lattice-work from Iron Buildings, Wrought-iron Roofing, Greenhouse, Staircases, Wrought-iron Girders, Fireproof Iron Beds, Safes and Strong Rooms, Tanks and Boilers and every description of ironwork to specification, and the work executed with every attention to quality and despatch.

GLOVER, BROS. IRONWORKS,
13, DRURY-LANE, and CHARLES-STREET.

THE GALVANIZED IRON COMPANY, No. 3, Mansion House place.

Call the particular attention of Architects, Builders, and others, to their patent process of galvanizing, or coating iron with PURE ZINC, which, from its action being chemically true, effectually and PERMANENTLY prevents RUST. This process is applicable to all sorts of iron, such whether cast or wrought, as are for building purposes—such as RIDGES, gutters, girders, &c., WATER or GAS PIPES, railings, window sashes and frames, bands, hinges, sash frames, chimney cowls, eaves, screws, nails, locks, bars, chains, wire cranks, &c. &c. &c. The Company undertake to supply GALVANIZED IRON, or to GALVANIZE every description of iron work, in any quantity required. Particulars and prices at the offices of the Company, 3, Mansion house place, London (adjoining Messrs. Mitchell, Dredge, and Co.'s).

E. A. VINCENT, Secretary.

N.B. The Company's patent process is applied to the roofs of the New Houses of Parliament, the sheds in the dockyards at Woolwich, Portsmouth, and Devonport, the Waterloo station belonging to the London and South-Western Railway Company at Liverpool, and numerous other railway stations, &c. &c., with the most perfect success.

IRON ROOFING WORKS, SOUTHWARK

Manufactory—Mansion-house-place, London

JOHN H. PORTER,

PATENTEE

of the corrugated Iron Bonnet Curbless and Fire-proof Floors.

MANUFACTURER OF IRON ROOFS AND BUILDINGS.

Sheds of

THE PATENT GALVANIZED IRON

This material has been employed by J. H. PORTER for several years past in the construction of Iron Roofing for Railway Stations and Warehouses, at home and abroad. Also Buildings, Factories, Gasworks, Warehouses, &c.; Boiler-houses, Sheds and Open-sheds, Bridges, Pavilions, and Market-places, in the East and West Indies, China, at the Cape of Good Hope, and in other parts of the world; Iron-bar and Hurdle-work Fences, Sheep and Cattle Hurdles.

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